

DATA ANALYSIS PROJECT

DESCRIPTION: STUDENTS WILL USE A WIKISPACE TO COLLABORATIVELY DESIGN A DATA COLLECTION AND ANALYSIS PROJECT WITH 2-3 CLASSMATES.

- STEP 1:** DETERMINE A TOPIC WITH YOUR GROUP THAT YOU'RE INTERESTED IN COLLECTING DATA ABOUT.
- STEP 2:** INDIVIDUALLY DESIGN 7 QUESTIONS RELATED TO YOUR TOPIC AND POST THEM ON THE WIKISPACE. EACH QUESTION NEEDS TO BE WORDED IN SUCH A WAY THAT MEANINGFUL DATA COULD BE COLLECTED.
- STEP 3:** ONCE EACH TEAM MEMBER HAS ADDED THEIR QUESTIONS, INDIVIDUALLY LOG ONTO THE WIKI AND RANK EACH QUESTION. (1 BEING THE STRONGEST)
- STEP 4:** IN CLASS AS A GROUP, CHOOSE YOUR 7 STRONGEST QUESTIONS. COME UP WITH 5 MULTIPLE CHOICE ANSWERS FOR EACH QUESTIONS.
- STEP 5:** DESIGN A SURVEY USING GOOGLE FORMS WITH YOUR QUESTIONS AND POSSIBLE ANSWERS AND POST IT ON YOUR WIKI.
- STEP 6:** IN CLASS, ALL STUDENTS WILL TAKE ALL OTHER SURVEYS. THEN YOU ARE RESPONSIBLE FOR COLLECTING DATA FROM *20 OTHER* STUDENTS. YOU CAN EITHER DIRECT PEOPLE TO YOUR WEBSITE OR PRINT OFF SURVEYS, COLLECT DATA VERBALLY, THEN ENTER THAT DATA INTO YOUR SURVEY ONLINE.
- STEP 7:** USE YOUR DATA TO MAKE THE FOLLOWING GRAPHS: LINE, BAR, AND CIRCLE. YOU MAY CHOOSE DIFFERENT GRAPHS TO SUMMARIZE EACH QUESTION AND RESULTS, BUT YOU NEED TO USE EACH TYPE OF GRAPH AT LEAST ONCE.
- STEP 8:** CONDUCT RESEARCH INDEPENDENTLY ABOUT YOUR TOPIC (ONLINE OR LIBRARY) AND EACH STUDENT WILL POST 3 STATISTICS RELATED TO THE TOPIC ON THE WIKISPACE. MAKE SURE TO CITE YOUR COURSE.
- STEP 9:** USE GOOGLE FORMS TO DESIGN ALL 7 OF YOUR GRAPHS AND THEN POST EACH GRAPH ON YOUR WIKISPACE.
- STEP 10:** INCORPORATE THE STATISTICS YOU FOUND ONLINE INTO THE YOUR WIKISPACE PLACING THEM NEAR THE GRAPHS THEY ARE RELATED TO.
- STEP 11:** PRESENT YOUR WIKISPACE TO THE CLASS. PRESENTATIONS NEED AN INTRODUCTION TO THE TOPIC INCLUDING THE 7 QUESTIONS THAT YOU ASKED, THEN TEAM MEMBERS TAKE TURNS SHOWING AND EXPLAINING EACH GRAPH. MAKE SURE TO INCLUDE HOW YOU COLLECTED YOUR INFORMATION. ALSO INCLUDE A CONCLUSION SUMMARIZING YOUR PROJECT AND INCLUDING ANY INFORMATION THAT YOUR TEAM FOUND SURPRISING OR ANY INFORMATION THAT YOU THINK MAY BE INACCURATE.

INDIVIDUAL CHECKLIST: DON'T LOSE THIS SHEET!

___/2 I HELPED MY GROUP DETERMINE A TOPIC FOR OUR PROJECT. THE TOPIC IS ____.

___/7 I POSTED 7 QUESTIONS ON THE WIKI ON TIME.

___/5 I RANKED EVERYONE'S QUESTIONS ON THE WIKI.

___/2 I HELPED THE GROUP DETERMINE THE 7 BEST QUESTIONS & DEVELOP MULTIPLE-CHOICE RESPONSES FOR EACH QUESTION.

___/3 I HELPED MY GROUP MEMBERS DESIGN OUR SURVEY ON GOOGLE FORMS.

___/4 I TOOK ALL OTHER GROUPS' SURVEYS ONLINE, INCLUDING MY OWN.

___/4 I COLLECTED DATA FROM 20 OTHER PEOPLE AND ENTERED THEM INTO THE SURVEY FORM.

___/3 I HELPED CREATE A GRAPH FOR EACH QUESTION AND WE USED ALL 3 TYPES OF GRAPHS.

___/6 I CONDUCTED RESEARCH INDEPENDENTLY AND FOUND AT LEAST 3 STATISTICS RELATED TO MY TOPIC AND POSTED THEM ON THE WIKI.

___/2 I HELPED DESIGN THE PRESENTATION BY MATCHING STATISTICS TO OUR GRAPHS.

___/12 I PRESENTED MY PART OF THE PRESENTATION. MY JOBS ARE 1) _____, 2) _____, 3) _____.

___/50

